



PTO/SB/21 (modified)

Approved for use through xx/xx/xx, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Receipt #3
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0001/PTO Rev. 10/95 TRANSMITTAL FORM (to be used for all correspondence during pendency of filed application)	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/401,074	
		Filing Date	September 22, 1999	
		First Named Inventor	Amit Verma	
		Group Art Unit Number	2731	
		Examiner Name	Not Yet Known	
Total Number of Pages in This Submission		9	Attorney Docket Number	4449

ENCLOSURES (check all that apply)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)
<input type="checkbox"/> Check Enclosed | <input type="checkbox"/> Issue Fee Transmittal |
| <input checked="" type="checkbox"/> Return Receipt Postcard | <input type="checkbox"/> Letter to Chief Draftsperson |
| <input type="checkbox"/> Response to Notice to File Missing Parts | <input type="checkbox"/> Formal Drawing(s):
[] Sheet(s) of Figure(s) [] |
| <input type="checkbox"/> Assignment & Recordation Cover Sheet | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Declaration | <input type="checkbox"/> Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Small Entity Statement | <input type="checkbox"/> Certified Copy of Priority Document(s) |
| <input type="checkbox"/> Information Disclosure Statement & PTO-1449
<input type="checkbox"/> Copies of IDS Cited References | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> |
| <input type="checkbox"/> Request for Correction of Recorded Assignment | <input type="checkbox"/> |
| <input type="checkbox"/> Amendment/Response: [] Page(s)
<input type="checkbox"/> After Final | <input type="checkbox"/> |
| <input type="checkbox"/> Status Request | <input type="checkbox"/> |
| <input type="checkbox"/> Revocation and Power of Attorney | <input type="checkbox"/> |

REMARKS:

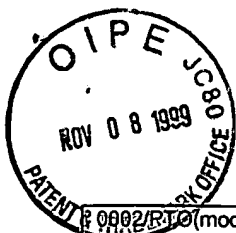
SIGNATURE OF ATTORNEY OR AGENT

Signature:			
Attorney/Reg. No.:	Dana S. Rao/Reg. No. 43,875	Dated:	11/1/99

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.16.

Signature:			
Typed or Printed Name:	Dana S. Rao	Dated:	11/1/99
Express Mail Mailing Number (optional):			



PTO/SB/17 (6-95)(modified)
Approved for use through 11/30/96, OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0902/PTO(modified)
Rev. 10/95

U.S. Department of Commerce
Patent and Trademark Office

FEE TRANSMITTAL

TOTAL AMOUNT OF PAYMENT

Subtotal (1) + Subtotal (2) + Subtotal (3) = (\$).00

Complete if Known

Application Number	09/401,074
Filing Date	September 22, 1999
First Named Inventor	Amit Verma
Group Art Unit	2731
Examiner Name	Not Yet Known
Attorney Docket Number	4449

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to:

- ☐ Charge the indicated fees to the below mentioned deposit account.
- ☒ Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account. ¹
- ☐ Charge the Issue Fee set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) to the below mentioned deposit account.

Deposit Account Number: 19-2555
Deposit Account Name: FENWICK & WEST LLP

A Duplicate Copy of this authorization is attached

2. ☐ Payment Enclosed:
[] Check [] Other

FEE CALCULATION (fees effective 11/12/98)

1. FILING FEE

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$760	201/\$380	Utility Filing	<input type="text"/>
106/\$310	206/\$155	Design Filing	<input type="text"/>
108/\$760	208/\$380	Reissue Filing	<input type="text"/>
114/\$150	214/\$75	Provisional Filing	<input type="text"/>

SUBTOTAL (1) (\$).00

2. CLAIMS

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description
103/\$18	203/\$9	Claims in excess of 20
102/\$78	202/\$39	Independent claims in excess of 3
104/\$260	204/\$130	Multiple dependent claim
109/\$78	209/\$39	Reissue independent claims over original patent
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent

3. ADDITIONAL FEES

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	<input type="text"/>
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	<input type="text"/>
147/\$2,520	147/\$2,520	For filing a request for reexamination	<input type="text"/>
115/\$110	215/\$55	Extension for response within first month [†]	<input type="text"/>
116/\$380	216/\$190	Extension for response within second month [†]	<input type="text"/>
117/\$870	217/\$435	Extension for response within third month [†]	<input type="text"/>
118/\$1,360	218/\$680	Extension for response within fourth month [†]	<input type="text"/>
128/\$1,850	228/\$925	Extension for response within fifth month [†]	<input type="text"/>
119/\$300	219/\$150	Notice of Appeal	<input type="text"/>
141/\$1,210	241/\$605	Petition to revive unintentionally abandoned application	<input type="text"/>
142/\$1,210	242/\$605	Utility Issue Fee (Or Reissue)	<input type="text"/>
143/\$430	243/\$215	Design Issue Fee	<input type="text"/>
122/\$130	122/\$130	Petitions to the Commissioner	<input type="text"/>
123/\$50	123/\$50	Petitions related to provisional applications	<input type="text"/>
126/\$240	126/\$240	Submission of Information Disclosure Statement	<input type="text"/>
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	<input type="text"/>
146/\$760	246/\$380	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>
149/\$760	249/\$380	For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>

Other fee (specify):

Other fee (specify):

SUBTOTAL (3) (\$).00

(Col. 1)		(Col. 2)		(Col. 3)		Fee	Fee Due
For	No. of Existing Claims		Highest No. Previously Paid For	Extra**			
TOTAL		minus*	20 or	=	x	=	
INDEP		minus*	3 or	=	x	=	
[] First presentation of multiple dependent claim							

* Subtract the greater number of Col. 2

** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

SUBTOTAL (2) (\$).00

SUBMITTED BY

Typed or Printed Name Dana S. Rao

Signature

Complete (if applicable)

Reg. Number 43,875

Date

11/1/99

[†] Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

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APPLICANT(S): Amit Verma and Mandayam T. Arvind
SERIAL NO.: 09/401,074
FILING DATE: September 22, 1999
TITLE: Technique for Peak Power to Average Power Ratio Reduction in
Multicarrier Communication Systems
EXAMINER: Not Yet Known
GROUP ART UNIT: 2731
ATTY. DKT. NO.: 4449

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 11/1/99

By: [Signature]

Dana S. Rao, Reg. No.: 43,875

ASSISTANT COMMISSIONER FOR PATENTS
APPLICATION PROCESSING DIVISION
CUSTOMER CORRECTION BRANCH
WASHINGTON, DC. 20231

REQUEST FOR CORRECTED FILING RECEIPT

SIR:

Enclosed is a copy of the Official Filing Receipt. It contains the following errors:

1. The title of the application is erroneously stated as "Technique for Peak Power to Averate Power Ratio Reduction in Multicarrier Communication Systems". The correct title is "Technique for Peak Power to Average Power Ratio Reduction in Multicarrier Communication Systems", as evidenced by the Declaration, a copy of which is enclosed.
2. The provisional data information is erroneously not stated. The correct provisional data information is set forth below and is further evidenced by the Declaration, a copy of which is enclosed.

"Application number 60/101,744, filing date September 24, 1998"

3. The residence address information of Applicant Mandayam T. Arvind is erroneously not stated. The Filing Receipt should be corrected to indicate the residence address information of Mandayam T. Arvind is "Bangalore, India" which is evidenced by the Declaration, a copy of which is enclosed.

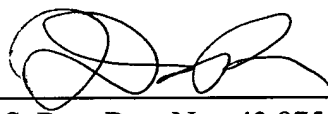
Please issue a corrected Filing Receipt rectifying these errors.

☒ These corrections are not due to any error by the Applicant and therefore no fee is due.

☐ Since at least one of the corrections is due to Applicant's error, payment in the amount of \$25, pursuant to 37 CFR § 1.19(h), is enclosed.

Respectfully submitted,
AMIT VERMA AND MANDAYAM T.
ARVIND

Dated: 11/1/99

By: 
Dana S. Rao, Reg. No.: 43,875
Fenwick & West LLP
Two Palo Alto Square
Palo Alto, CA 94306
Tel.: (650) 858-7816
Fax.: (650) 494-1417

FILING RECEIPT



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Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/401,074	09/22/99	2731	\$760.00 4449		3	12	

DANA S RAO
FENWICK & WEST LLP
TWO PALO ALTO SQUARE
PALO ALTO CA 94306

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OCT 21 1999
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Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) AMIT VERMA; MANDAYAM T. ARVIND.

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 10/12/99
TITLE
TECHNIQUE FOR PEAK POWER TO AVERAGE POWER RATIO REDUCTION IN
MULTICARRIER COMMUNICATION SYSTEMS

PRELIMINARY CLASS: 370

DATA ENTRY BY: JORDAN, STANLEY

TEAM: 04 DATE: 10/12/99

|||||

(See reverse for new important information)